

ABSTRACT OF THE DISCLOSURE

(028) A weight-bearing support insole with four varying degrees of arch for application in any shoe or boot, in which the upper portion is biomechanically shaped to support the medial longitudinal arch, the lateral longitudinal arch, the transverse (metatarsal) arch, and the heel cup. This insole focuses on the highest and most dynamic arch, the medial arch, by creating four unique degrees of medial arch support that configures cooperatively to low, medium, high, and extreme degrees of individual user's arch needs, which will distribute weight-generated forces into a neutral plantigrade position. Supporting the neutral position will obtain maximum balance and weight distribution by dispersing the weight-bearing forces over the greatest area possible to relieve the seven primary pressure points (or points of contact) in the foot. This insole will allow the three arches to work in juxtaposition to one another, and function as a structural tripod, which will absorb compressive forces, then recoil into a position of structural stability.⁵

⁵ Fact found at: <http://www.biotone.com>